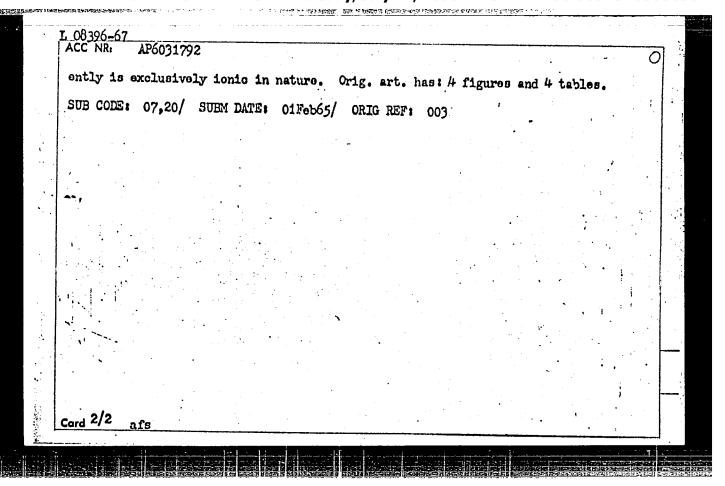
L h03h5-66 EWT(m)/EWP(e)/EWP(j)/T/EWP(t)/ETI IJP(c) AT/RM/WH/DS/JD/JG ACC NR: AP6018982 (A) SOURCE CODE: UR/0364/66/002/006/0683/0687
AUTHOR: Misyuk, E. G.; Davtyan, O. K.; Priyma, T. V.
ORG: Odessa State University im. I. I. Mechnikov (Odesskiy gosudarstvennyy universite)
TITLE: Study of semiconductor electrode catalysts. Part 3: Electrochemical reversibility of the oxidation of solid solutions $\text{Li}_{X}\text{Cu}_{(1-x)}$ 0
SOURCE: Elektrokhimiya, v. 2, no. 6, 1966, 683-687
TOPIC TAGS: solid solution, copper oxide, lithium oxide, electrode potential, anodic oxidation
ABSTRACT: The feasibility of electrochemically oxidizing and reducing solid solutions of copper and lithium oxides was investigated by studying the solid solution powders in the form of electrodes which were first charged anodically, then cathodically in a polarization cell. It was found that when lithium oxide penetrates copper oxide, the potential rises sharply; as the hole concentration increases, the electrode potential climbs linearly and apparently tends toward the potential of the reversible oxygen
electrode. Lithiated copper cxide has the ability to accumulate oxygen electrochemically in reversible fashion; at the same time, its charge and discharge occur practically over a definite potential range, respectively 0.6-0.8 and 0.6-0.4 V. The reversibility coefficient is proportional to the hole concentration and mobility. A theo-
retical explanation is given for the direct relationship between the oxidation of the
Card 1/2 UDC: 541.135.4

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	id solution a	BCCLOUB capaci	.03.0				ation i	ncreases
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1	. 08395-67 EWT(m)/EWP(j)/EEP(t)/ETI LJP(c) RN/DS/JD/JG/RM ACC NR: AP6031791 (A) SOURCE CODE: UR/0364/66/002/007/0788/0790
,	AUTHOR: Misyuk, E. G.; Davtyan, O. K.; Stupichenko, R. N.; Kalyuzhnaya, Ye. A.
	ORG: Odessa State University imeni I. I. Mechnikov (Odesskiy gosudarstvennyy universitet)
	TITIE: Study of semiconductor electrode catalysts. Part 4: Dependence of the nature of oxygen electrodes prepared from metals of variable valence on the nature of alkali metal promotor ions
	SOURCE: Elektrokhimiya, v. 2, no. 7, 1966, 788-790
•	TOPIC TAGS: electrode potential, electric polarization, alkali metal oxide, transition metal oxide
	ABSTRACT: Continuing their study of solid solutions formed by oxides of variable-valence metals (NiO, CuO, CoO, MnO, etc.) with lithium oxide and used as oxygen electrodes, the authors investigated the system $L^+ - O^+ - Ni^+$, where L^+ is an alkali metal ion, in electrodes consisting of two-layer plates prepared by a metal-ceramic method. The electrodes were activated at 450°C with Li, Na, K and Cs oxides in hydrogen. The activity of the electrodes was determined with polarization curves, which showed the electrochemical activity to increase in the series Li, Na, K, Cs. The electrode activity was compared with the ionization potentials of the alkali metal atoms with which they were activated. At a polarization of 0.25 V, the electrode activity was found to
	Card 1/2 UDC: 541.136

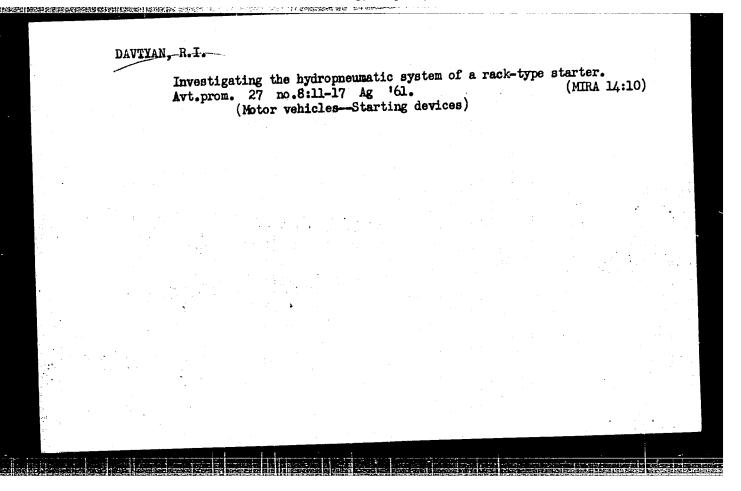
	processes art. has!	on the o	xygen ele	otrode and	in finding	suitable	nism of current catalysts for	r it. Orig.	,
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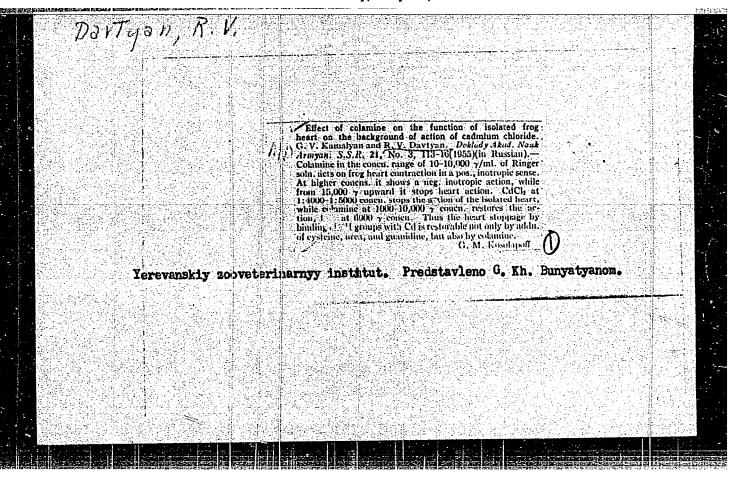
DS/JD/HW/JG/RM IJP(c) EVT(m)/EVP(1)/EVP(t) 1.08396.67 SOURCE CODE: UR/0364/66/002/007/0791/0795 AP6031792 AUTHOR: Misyuk, E. G.; Davtyan, O. K.; Uminskiy, M. V. ORG: Odessa State University imeni I. I. Mechnikov (Odesskiy gosudarstvennyy universitet) TITIE: Study of semiconductor electrode catalysts. | Part 5: Semiconducting properties of nickel and copper oxides due to the incorporation of potassium ion SOURCE: Elektrokhimiya, v. 2, no. 7, 1966, 791-795 TOPIC TAGS: metal oxide, semiconductor conductivity, copper compound, nickel compound, potassium compound ABSTRACT: 1 The object of the study was to determine the degree of incorporation of potassium oxide in NiO and CuO, associated with the formation of Ni3+ and Cu3+ holes, and to study the semiconducting properties of solid solutions thus obtained. The electric conductivity of the NiO-K2O and CuO-K2O systems was studied as a function of temperature. It was found that at certain initial concentrations of K20 and certain temperatures, K20 becomes incorporated in the crystal lattices of NiO and CuO. The increase in the electric conductivity of these systems is fairly considerable, despite small hole concentrations. It is shown that the electric conductivity is due to the mobility of holes (Ni3+ and Cu3+), and to the mobility of K+ and OH ions. In systems obtained at high initial concentrations of potassium, the electric conductivity appar-Card 1/2 UDC: 541.135.4



MINKIN, Matvey Lazarevich, kand. tekhn. nsuk; YEGOROV, L.A., kand. tekhn. nauk, retsenzent; DAVITAN, R.I., inzh., red.; SMIRNOVA, G.V., tekhn. red.

[Starting devices for motor-vehicle engines] Puskovye ustroistva avtomobil'nykh dvigatelei. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 138 p. (MIRA 14:6) (Motor vehicles—Ignition)





AGBALYAN, G.A., dotsent; DAVTYAN, S.A., assistent

Clinical electroencephalographic characteristics of a schizophrenic manifestation in its early and defective stages. Trudy Erev.med. inst. no.11:383-389 '60. (MIRA 15:11)

1. Is kaffedry psikhiatrii (zav. kafedroy prof. Megrabyan, A.A.) Yerevanskogo meditsinskogo instituta. (SCHIZOPHRENIA) (ELECTROENCEPHALOGRAPHY)

MEGRABYAN, A.A.; DAVTYAN, S.A.

Clinical aspect of psychoses due to intoxication and infection. Zhur. eksp. i klin. med. 3 no.2:51-58'63. (MIRA 16:10)

1. Respublikanskaya psikhonevrologicheskaya klinika, ArmSSR.

DAUTYAN, S. Kh.

AID P - 1143

Subject

: USSR/Mining

Card 1/1

Pub. 78 - 21/25

Authors

: Rubachev, G. N., Logashkin, V. A. and Davtyan, S. Kh.

Title

Improved working methods and their effectiveness in the

Buzovnin Drilling Bureau

Periodical

: Neft. khoz., v. 32, #11, 83-89, N 1954

Abstract

: A method of coordinating drilling operations leading to an appreciable increase in speeds of assembly and dismantling of the drilling pipe line and convenience in carrying the pipe sections to the storage pile is outlined. A hydraulic method is described for cementing

the well.

Institution:

TsIMTneft (Central Scientific Research Institute for Mechanization and Organization of Labor in the Petroleum

Industry).

Submitted

: No date

MUKHIN, Grigoriy Ivanovich; DAVTYAN, Sokrat Khachaturovich; KIRSH, Boris Aleksandrovich; OSIPOVA, Agniya Lavarevia; MADERA, R.S., redaktor; GONCHAROV, I.A., tekhnicheskiy redaktor.

[Problems of mechanising and organising work in the drilling of oil and gas wells] Voprosy mekhanisatsii i organisatsii truda pri burenii neftianykh i gasovykh skvashin. Baku, Aserbaidshanskoe gos.isdvo neftianoi i nauchno-tekhnicheskoi lit-ry, 1955, 182 p. (MLRA 9:4) (Oil well drilling) (Gas, Natural)

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00050981

DAVTYAN, S.Kh.

AID P - 3278

Subject

: USSR/Mining

Card 1/1

Pub. 78 - 8/24

Authors

: Golovko, V. N. and S. Kh. Davtyan

Title

: Experiment in using winch-reel KL-3 in well drilling

Periodical

: Neft. khoz., v. 33, #9, 35-39, S 1955

Abstract

: In hoisting machinery, the use of a newly designed winch-reel KL-3

instead of a winch-capetan is suggested. Photos, table. 5

references, 1951-1954.

Institution : None

Submitted

: No date

TER-GRIGOR'YAN, A.I., inzh.; AVETISYAN, A.A., inzh.; GASAN-DZHALALOV,
A.B., inzh.; GUKHMAN, M.I., inzh. [deceased]; DAVIYAN, S.Kh.,
inzh.; DADASHEV, B.B., kand.tekhn.nauk [deceased]; DANIYELYANTS,
A.A., inzh.; DEDUSENKO, G.Ya., kand.tekhn.nauk; IOANESYAN, R.A.,
inzh.; KARASIK, 7.Ye., inzh.; KULIUEV, I.P., kand.tekhn.nauk;
KULI-ZADE, K.N., kand.tekhn.nauk; LANGHEREN, M.L., kand.tekhn.
nauk; MADERA, R.S., inzh.[deceased]; MIKHAYLOV, V.R., inzh.;
MURADOV, I.M., inzh.; POLYAKOV, Z.D., inzh.; PROTASOV, G.N., kand.
tekhn.nauk; SAROYAN, A.Ye., kand.tekhn.nauk; SEID-RZA, M.K., kand.
tekhn.nauk; TARANKOV, V.V., inzh.; FRIDMAN, M.Ye., inzh.; SHNEYDEROV,
M.R., kand.tekhn.nauk; YAISHNIKOVA, Ye.A., kand.tekhn.nauk; SHTEYNGEL', A.S., red.izd-va

[Driller's handbook] Spravochnik burovogo mastera. Izd.2., ispr.
i dop. Baku, Azerbaidzhanskoe gos.izd-vo neft.i nauchno-tekhn.lit-ry,
1960. 783 p. (MIRA 13:5)

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00050981

EMT(d)/EMP(1) IJP(c) GO/BB/JXT(CZ)/JXT(BF) L 11179-67 SOURCE CODE: UR/3012/65/000/003/0005/0040 ACC NR: AT6026468 AUTHOR: Piliposyan, A. G.; Davtyan, S. M. ORG: nono 📉 TITLE: Description of a universal compiling routine with certain transformations of logical charts SOURCE: Yerevan. Vychislitel'nyy tsentr. Trudy, no. 3, 1965. Matematicheskiye voprosy kibernetiki i vychislitel'noy tekhniki; modelirovaniye protsessov upravleniya (Mathematical problems in cybernetics and computer engineering; modelling control processes), 5-40 TOPIC TAGS: automatic programming, computer programming, computer program logic, computer language ABSTRACT: This compiling routine (CR) is based on a combination of two methods for the automation of programming; the universal compiling routine method and the standard subroutine library method, for use in compiling object programs from source programs written in Lyapunov's operator language (A. A. Lyapunov. Sb. Problemy kibernetiki, vyp. 1, 1958; vyp. 8, 1962, M., Fizmatgiz). This necessitates constructing intermediate (linking) logical 1/2

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ACC NR: AT6026468

charts which take into account the specific features of present-day computers and assure optimal conversion to machine languages, i.e. to programs in true addresses, on exploiting certain possibilities for optimizing the program and on automatic incorporation of the necessary routines. This particular CR differs from its counterparts in that it provides for the automatic construction of linking charts for conversion from one set of parameters to another. In addition, this CR provides for formal conversion of logical charts in accordance with specific rules which simplify their structure and implementation. The article presents the first three chapters of an eight-chapter work. Chapter 1 describes the theoretical principles of the proposed CR and examines the logical chart for an algorithm. Chapter 2 describes the class of flow charts that can be programmed with the aid of this CR. Chapter 3 deals with aspects of the construction and realization of the assembler operator. The remaining chapters (not published in this issue) describe the general structure of the CR, the transformations of logical charts and the programming of certain CR operators. "The authors are sincerely grateful to I. D. Zaslavskiy and R. I. Podlovchenko for their valuable comments on the MS of this publication." Orig. art. has: 4 formulas.

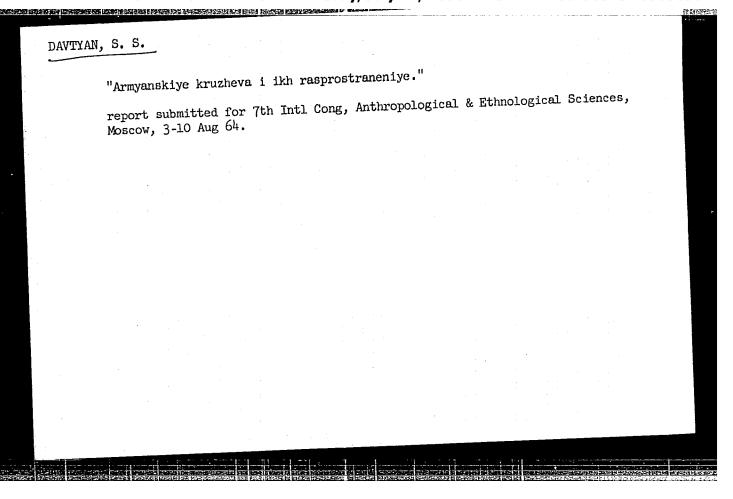
SUB CODE: 09, 12/ SUBM DATE: none/ ORIG REF: 009

Card 2/2 Me

SYSOYEV, B.A., inzh.; DAVTYAN, S.M., inzh.

Repairing corroded axle journals of water wheel generators without dismantling the rotors. Energ. stroi. no.3:61-63 (MIRA 14:9) (13), 1960.

(Electric generators—Maintenance and repair)



Caucasian belladonna and results of cultivating it in the Botanical Carden of the Academy of Sciences of the Armenian S.S.R. Biul.Bot. sada [Eriv.] no.8:17-22 '49. (MIRA 9:8)

(Armenia--Belladonna)

KAZARYAN, V.O.; DAVTYAN, V.A.

Effect of the processes of generative development on nocturnal photosynthetic depression in plants. Dokl. AN Arm. SSR 37 no.4: 231-235 '63. (MIRA 17:8)

1. Botanicheskiy institut AN ArmSSR. Predstavleno akademikom AN ArmSSR G.Kh. Bunyatyanom.

KAZARYAN, V.O.; DAVTYAN, V.A.

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Changes in the intensity of photosynthesis in short-day and longday plants under similar environmental conditions. Dokl. AN Arm. SSR 39 no.5:311-314 164. (MIRA 18:2)

1. Botanicheskiy institut AN ArmSSR. Submitted Februrary 19, 1964.

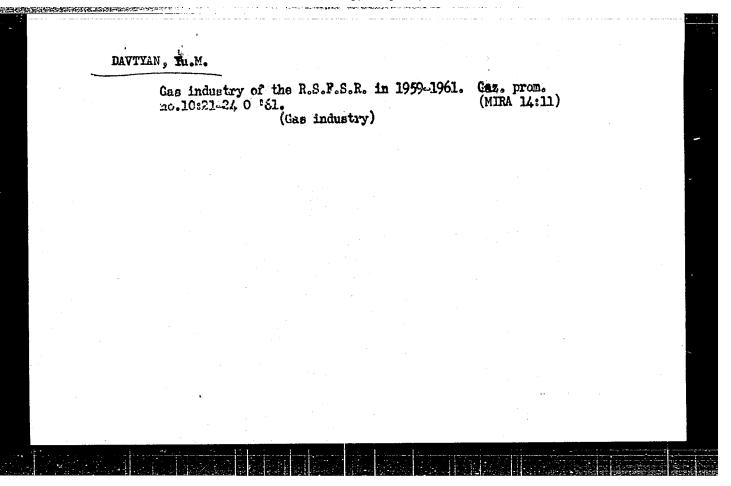
DAVTYAN, V.M., inzh.; DAVIDYAN, Zh.D., inzh.

Series of synchronous generators with increased frequency and self-excitation by selenium reatifiers. Vest. elektroprom. 34 no.8:19-23 Ag '63. (MIRA 16:9) (Electric generators) (Electric current rectifiers)

ALIYEV, Sh.B.; DAVTYAN, Ye.G.

Mechanism of the formation of hydrocarbon complexes with aluminum chloride. Izv. AN Azerb. SSR no.12:27-38 D '57. (MIRA 11:2) (Complex compounds) (Aluminum chloride) (Olefins)

Pay more attention to the training of engineers and to the instruction of workers. Neft.khoz. 33 no.2:23-26 F*55. (MIRA 8:4) (Petroleum engineering--Study and teaching)



ABILOV, K.M.; DAVUDOV, N.M. Effect of carotonaphthalene and refined naphthalene on nitrogen from amino acids in the blood. Tr. Vaccoius. obsh. fisiol. no. 1:109-110 (CIML 24:1) 1952. 1. Delivered 23 December 1946, Baku.

ACC NR: AT6023360

SOURCE CODE: UR/3019/65/000/004/0044/0062

AUTHOR: Aslanov, I. A.; Davudov, Yu. D.; Salmanov, I.

ORG: none

TITLE: Computation of the optical depths of Til lines in the solar spectrum

SOURCE: Shemakha. Astrofizicheskaya observatoriya. Soobshcheniya, no. 4, 1965. Fizika

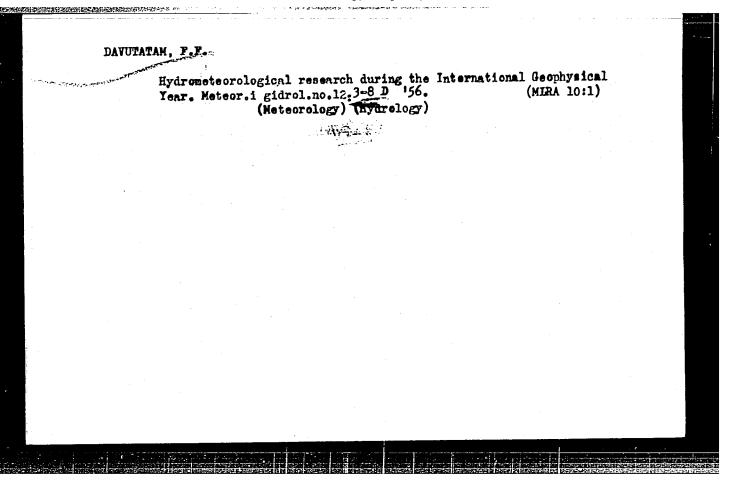
Solntsa (Physics of the sun), 44-62

TOPIC TAGS: solar spectrum, spectral line, spectrographic analysis

ABSTRACT: The optical depth at which the emission of spectral lines of neutral Ti occurs in the atmosphere of the sun is given in tabular form. The table includes the multiplet number, the transition levels wavelength of the line and its relative width as well as the excitation potential and the two optical depths. These two depths differ by a small amount (their ratios are given - the smallest being about one-tenth) and represent differing defining criteria. The method of determining the optical depths is reviewed briefly. Essentially, it follows the method developed for the spectral lines of the neutral iron. Since neither line intensity nor its excitation potential give unique answers to the question as to where in the atmosphere of the sun a given line originates, this work should be useful in constructing a realistic model of the atmosphere of the sun. Orig. art. has: 1 table.

SUB CODE: 03/ SUBM DATE: 00/ ORIG REF: 004/ OTH REF: 005

Card 1/1



OE JOU

DAVYATYKH G. G.

UEI /Chemittry - Fatty Acids, Adeorption Chemietry - Dephenylamine

"Adsorptive Leyers in Monequeous Lystems: III, Aliphatic Acids on the Biphonylamine-Air Boundary," G. L. Etarobinets, 4 V. Paufilov, G. G. Devyetykh G. A. Lezerko, Beloruscian U, Inst Chem, Minsk, 54 pp

"Znur Fiz Khimii" No 10

Measures surface tension of solutions of propionic, butyric, isovaleric, isocaproic and cleic acids in diphenylamine in the nei horhood of its EP. Determines depression of EP of solutions studied, and calculates thermodynamic activity of its components. Calculates adsorption of aliphatic acids on diphenylamine air boundary from curves 6 - ag using Gi hal equation. Colculates constants of saturated adsorption layers. Salvaitted 20 Oct. 47.

PA 21/49T6

DAYYDCHENKOV, V. The influence of a breken work week (Sumlay off) on a mino. Sets.trud no.2:109-112 F 156. (Staline--Mine management) (Hours of labor) (Staline--Mine management) (Hours of labor)

DAVYDENKO, A.O., kand.med.nauk

Report on the activities of the Kiev Society of Obstetricians and Gynecologists for the period 1953-1956. Ped., akush. 1 gin. 19 no.2:71-72 '57. (MIRA 13:1)

1. Sekretar' pravleniya Kiyevskogo nauchnogo obshchestva akusherovginekologov.

(KIEV--GYNECOLOGICAL SOCIETIES)

DAVYDENKO, A.O., kand.med.nauk

Hypoferric anemia and pregnancy. Ped., akush. i gin. 19 no.4:46-49 '57. (MIRA 13:1)

1. Kafedra akusherstva i ginekologii (zav. - prof. V.M. Khmelevskiy) Kiyevskogo instituta usovershenstvovaniya vrachey (dir. - zasluzhennyy deyatel' nauki prof. I.I. Kal'chenko). (ANEMIA) (PREGNANCY, COMPLICATIONS OF)

DATYDENKO, A.O., kand.med.nauk

Analysis of causes of fetal death for the purpose of preventing still-birth. Ped., akush. i gin. 20 no.6:58-61 '58. (MIRA 13:1)

1. Kafedra akusherstva i ginekologii (zav. - prof. V.M. Khwelevskiy)

Kiyevekogo instituta usovershenstvovaniya vrachey (doktor - dots.

V.D. Bratus'). (FRTUS, DEATH OF)

Unified system of planned periodic repairs. Vest. mash. 33 no.12: 91-93 D '53. (MLRA 6:12)

1. Starshiy inshener planovo-periodicheskogo remontor zavoda imeni I.Ye.Yegorova.

(Machine-shop practice--Repairing)

36270

16.6500

S/021/62/000/004/003/012 D299/D302

AUTHOR:

Davydenko, D.F.

TITLE:

On finding approximate solutions to algebraic equa-

tions

PERIODICAL: Akademiya nauk UkrRSR. Dopovidi, no. 4, 1962, 434-436

TEXT: The method of parameter variation (set forth in earlier works by the author), is used for calculating complex solutions of algebraic equations, whose coefficients are functions of the parameter λ , which assumes pre-assigned values on a finite interval. The equation

$$\sum_{k=0}^{n} a_{n-k}(\lambda) x^{K} = a_{n}(\lambda) + a_{n-1}(\lambda) x + \cdots + a_{0}(\lambda) x^{n} = 0$$
 (1)

is considered, whose coefficients $a_v(\lambda)$ ($v=0,1,2,\ldots,n$) are functions of the parameter λ , ($\lambda_0 \leqslant \lambda \leqslant \lambda^*$). The complex solutions of Eq. (1) are denoted by Card 1/3

S/021/62/000/004/003/012 D299/D302

On finding approximate solutions ...

$$x_{j}(\lambda) = p_{j}(\lambda) + iq_{j}(\lambda) \quad (j = 1, 2, ..., n).$$

Certain assumptions are made with respect to p, q, and the coefficients $a_{\nu}(\lambda)$. It is required to find the approximate values of the solution $x_{j}(\lambda) = p_{j}(\lambda) + iq_{j}(\lambda)$ for given values of $\lambda > \lambda_{0}$. After differentiation and transformation, one obtains the equations

$$\frac{dp}{d\lambda} = \frac{T_0 S_0 + q^2 T_1 S_1}{S_0^2 + q^2 S_1^2}, \qquad \frac{dq}{d\lambda} = q \frac{T_0 S_1 - T_1 S_0}{S_0^2 + q^2 S_1^2}, \qquad (7)$$

where T and S are series in harmonic polynomials P(p, q). In order to find the approximate solutions $x(\lambda)$ of Eq. (1), it is necessary to integrate numerically Eq. (7) over the interval $\lambda_0 \leqslant \lambda \leqslant \lambda^*$,

with initial conditions for
$$\lambda = \lambda_0$$
, $p_j(\lambda) = p_j^{(0)}$, $q_j(\lambda) = q_j^{(0)}$.

For the polynomials P(p, q), a system of recursion formulas is obtained. The method can be also used for determining approximate Card 2/3

S/021/62/000/004/003/012 D299/D302

On finding approximate solutions ...

complex solutions of algebraic equations with constant coefficients:

$$\sum_{k=0}^{n} c_{n-k} x^k = 0.$$
 (9)

For this purpose it is necessary to preliminarily transform Eq. (9) to the form of Eq. (1). A numerical example is considered. There are 1 table and 3 Soviet-bloc references.

PRESENTED: by Academician Yu.O. Mytropol's kyy, AS UkrRSR

SUBMITTED: September 11, 1961

Card 3/3

Are these good practices? Mo	tallurg 8 no.3:20 Mr '63. (MIRA 16:	3)						
metellurticheskogo zavoda ime	l. Starshiy konvertershchik brigady kommunisticheskogo truda metallurticheskogo zavoda imeni Petrovskogo. (Iron and steel plants—Management)							
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DAVYDENKO, G.P. Ingot molds are being required at the plant. Metalturg 9 co.12:25—26 D '64. (NIRA 18:2) 1. Storshly konvertershchik metalturgicheskogo zavoja im. Petrovskogo.

DAVYDENKO, G.P.

Friendsh'p of the workers of three converter plants.
Metallurg 10 no.1:22-23 Ja '65. (MIRA 18:4)

1. Starshiy konvertershchik brigady kommunisticheskogo
truda savoda ha. Petrovskogo.

PUTNIY, M.P.; FILIN, P.V.; DAVYDENKO, I.A.

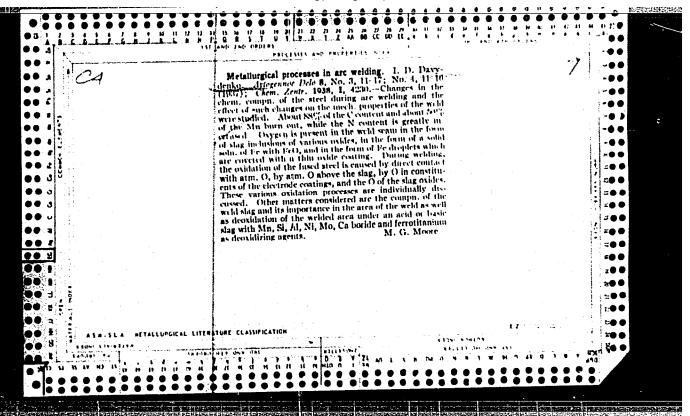
Placement of rubber-cement bridges in wells. Burenie no.2: 28-30 '65. (MIRA 18:5)

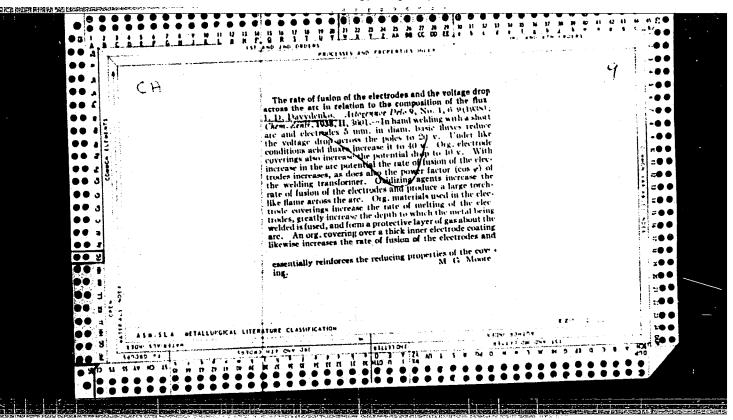
l. Trest "Groznefterazvedka" i Groznenskaya laboratoriya Vsesoyuznogo nauchnc-issledovatel'skogo instituta geofizicheskikh metodov razvedki.

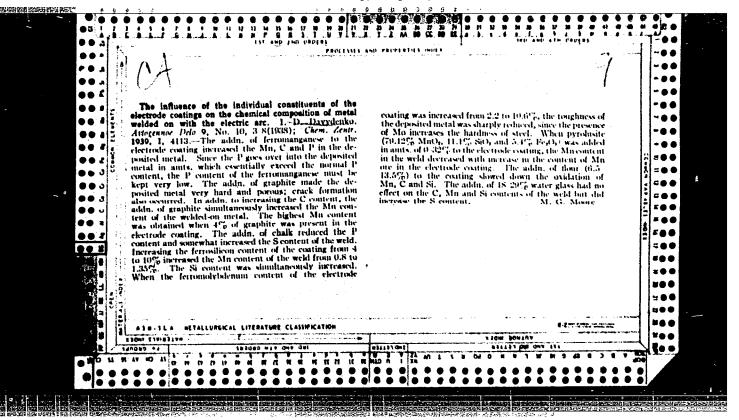
DAVYDENKO, I.A. [Davydenko, I.O.]

Natural reproduction of the common pear (Pyrus communis L.) in forest stands of the right and left-bank forest-steppe of the Ukraine. Ukr. bot. zhur. 22 no.3:52-59 165. (MIRA 13:7)

1. Institut botaniki AN UkrSSR, otlel geobotaniki.







DAVIDENKO, I. D.

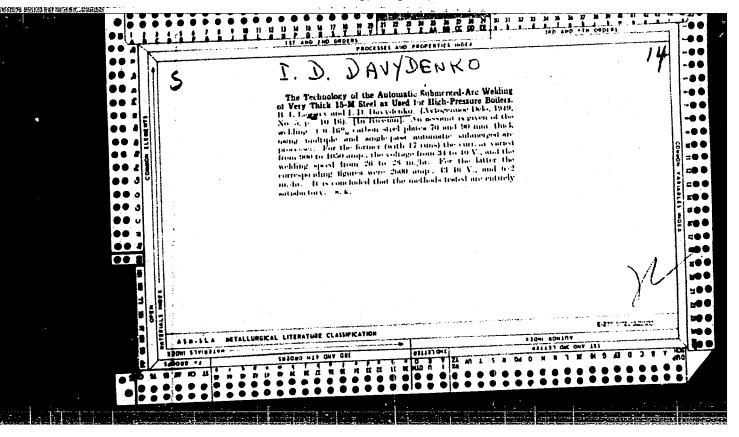
Davidenko, I. D. "Automatic welding in boiler construction", (Experience of the Krasnyy Kotel'shchik plant), Trudy Vsesoyuz. konf-tsii po avtomat. svarke pod flyusom, 3-6 October 1947, Kiev, 1948, p. 38-40.

SO: U-3261, 10 April 53, (Letopis 'Zhurnal 'nykh Statey, No. 11, 1949).

DAVEGERC. T. D.

Bavydenko, I. B. "THZ fluxes for autoratic welding", Trudy po avtorat. svarke pod flyuson (In-t elektrosvarki in. Patona), Collection 2, 1948, p. 54-58.

So: U-5261, 10 April 53, (Letopis 'Zhurnal 'nykk Statey, No. 12, 1949).



"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00050981

DAVYDENKO, I., D., LAUREATE OF STALIN PRIZE

DESCRIPTION OF STALIN PRIZE

Pa. 173T39

"Righly Efficient Welding Methods in Technology of Boiler Construction," Engr I. D. Davydenko, Laureate of Stalin Prize

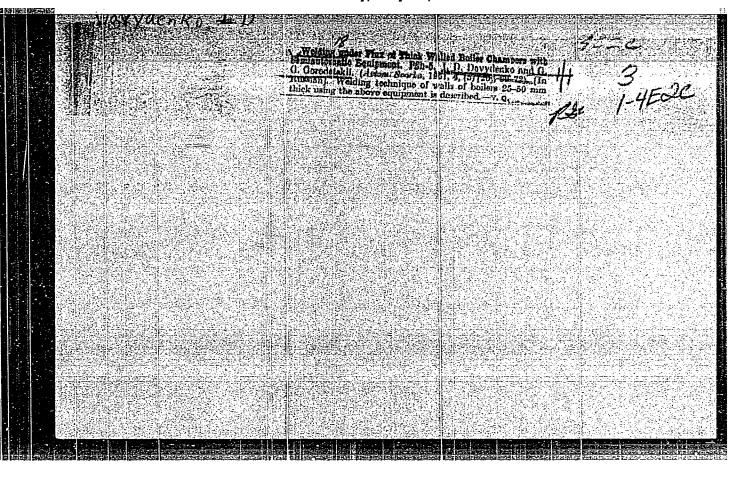
"Avtogen Delo" No 11, pp 14-17

Describes various equipment for automatic welding of large cyl vessels. Discusses universal 3-phase, 3-electrode automatic welding head TEZ-D1 for welding boilers with walls over 20 mm thick at 20-30 m/hr, and thin-walled vessels at 100-300 m/hr.

- 1. DAVIDENKO, I. D.
- 2. USSR (600)
- 4. Technology
- 7. Automatic welding in boiler construction. Moskva, Mashgiz, 1951

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050981



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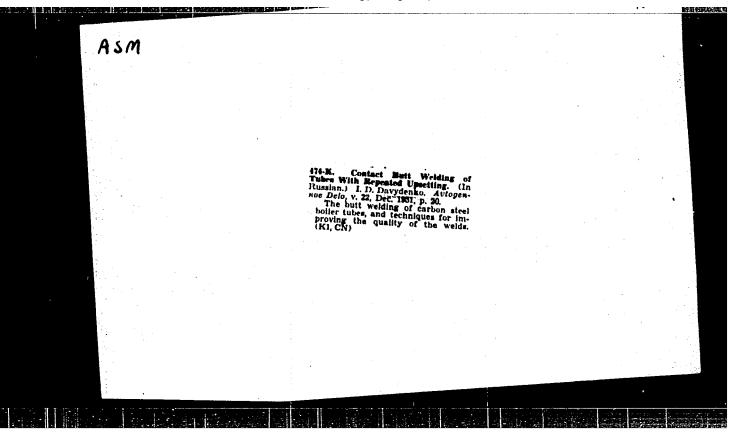
DAVIYDENKO, I. D., GORODDISKIY, G. G.

Flux welding of thick-walled boiler bodies with the semi-automatic welded PSH-5.

Avtom. svar./No 5, 1951.

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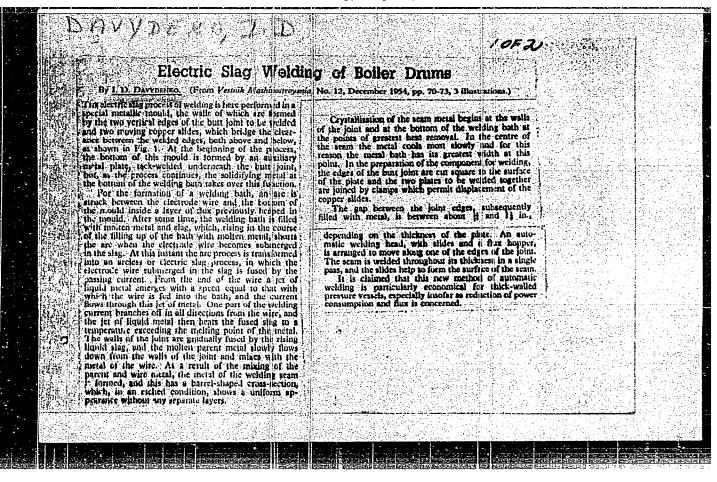
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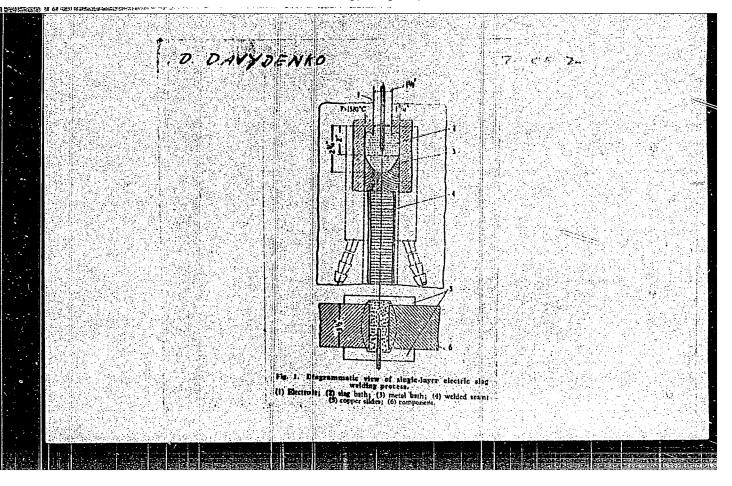
DAVYDENKO, I. D.

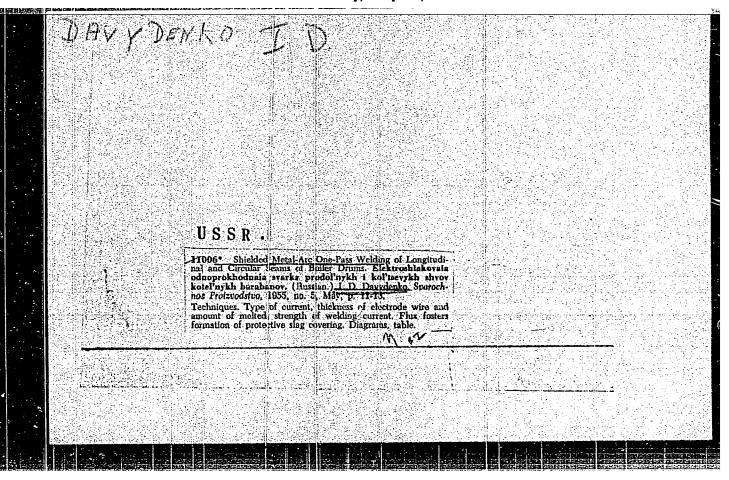
Dissertation: "Arc melding of Steel Containing a Medium Amount of Manganese." Sand Tech Sci, Kiev Folytechnic Institute, Kiev, 1953. (Referativnyy Amurnal-Knimiya, No 12, Moscow, Jun 54)

SO: SUM 318, 23 Dec 1954



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DAVYDENKO, I. D.

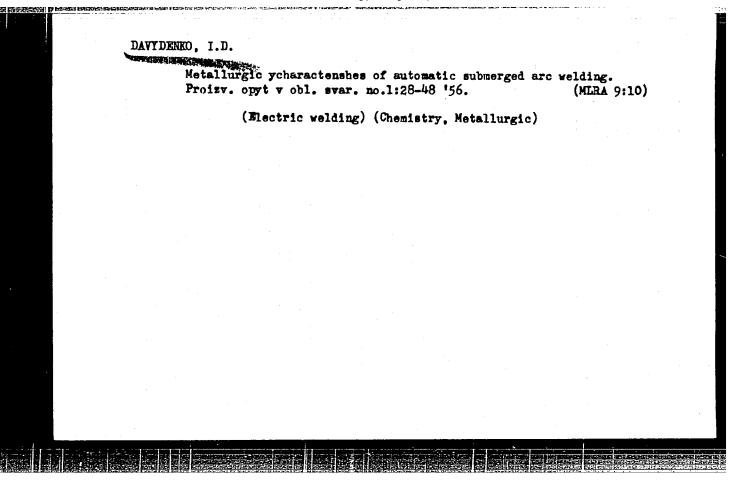
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RUSSIA. MINISTERSTVO TYAZHELOGO MASHINOSTROYENIYA.

PRDIZ VODSTVENNYY OPYT V OBLASTI SVARKI (INDUSTRIAL PRACTICES IN THE FIELD OF WELDING) POD. RED. I. D. DAVYDENKO. MOSKVA, MASHGIZ, 1956.

121 P. ILLUS., DIAGRS., TABLES (ITS SBORNIK, NO. 1)

INCLUDES BIBLIOGRAPHIES.



DAYDENKO, I.D.

123-1-542 Translation from: Referativnyy Zhurnal, Mashinostroyeniye, 1957, Nr. 1, p. 86 (USSR)

AUTHOR: Davydenko, I. D.

TITLE: Determination of Chemical Composition of Molten Weld Metal Over-

layed by Electric Arc Process with Thickly-coated Electrodes

(Raschet khimicheskogo sostava metalla naplavlennogo elektricheskoy dugoy tolstopokrytymi elektrodami)

PERIODICAL: Proizvodstvennyy opyt v oblasti svarki. Sbornik No 1,

Moscow, Mashgiz, 1956, pp. 112-122

To estimate the chemical composition of weld metals molten ABSTRACT:

by electric arc process and for the determination of the composition of electrodes for a given composition of the weld metal, equations are offered which permit to determine the coefficient of transition of the alloying elements (Mn, C, Si) into the weld metal, and the content of these elements in same, in relation to the content of these

elements in the electrode. For the examined electrode with

Card 1/2

Davydehko, I.D.

137-1957-12-24195

Transiation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 12, p 185 (USSR)

AUTHOR: Davydenko, I. D.

TITLE: Possibilities of Electrical Slag Welding of Thick Metal (From

the Operational Practices of the "Krasnyy kotel'shchik" Plant)
Vozmozhnosti elektroshlakovoy svarki metalla bol'shikh tolshchin

(iz opyta z-da "Krasnyy kotel'shchik")

PERIODICAL: V sb.: Novoye v konstruirovanii tyazh. mashin. Moscow,

Mashgiz, 1956, pp 245-256

ABSTRACT: A description of vertical electrical slag welding (ESW) of

boiler drums and thick-walled vessels. For the purposes of ESW of longitudinal joints on shells, the plant constructed a system which permits the welding of shells up to 6.5 m long. The system is equipped with three TSD-1000 welding transformers and an automatic welding unit A-340 or A-350. The ESW of the girthjoints is performed on jigs of the portal type, equipped with a roller-tilter device, by means of the automatic welding units A-356 or A-385. Technological processes of assembling

and welding boilers from 20-52 mm sheets of 20 K and 22 K steel

Card 1/2 are described, together with the welding operating conditions and the technical

and economic data.

137-1957-12-24195

Possibilities of Electrical Slag Welding of Thick Metal

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Multi-electrode ESW of metal up to 1000-5000 mm thick is possible. Type0.8 GA welding wire is employed in conjunction with MnSi fluxes of the type OSTs-45, FTs-6, AN-348, TKZ-5, etc. Compared with multi-layer arc welding the ESW method is more economical owing to the reduced consumption of electrical energy, flux, and electrodes, and simplified technological operations and increased output with existing production space.

1. Steel-Submerged melt welding Applications

2. Submerged melt welding-

Card 2/2

SOV/137-59-1-802

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 1, p 108 (USSR)

AUTHORS: Davydenko, I. D., Kulichenko, G. F.

TITLE: Use of Stavropol' Natural Gas in Flame Treatment of Metals

(Primeneniye stavropol'skogo prirodnogo gaza pri gazoplamennoy

obrabotke metallov)

PERIODICAL: Byul. tekhn-ekon. inform. Sov. nar. kh-va Rostovsk. ekon. adm.

r-na, 1958, Nr 3, pp 8-9

ABSTRACT: Bibliographic entry

Card 1/1

Davydenko, I.D.

135-58-4-3/19

AUTHOR:

Davydenko, I.D., Candidate of Technical Sciences, Laureate

of the Lenin Prize

TITLE:

Automation of Welding Processes in the Taganrog Boiler Plant (Avtomatizatsiya protsessov svarki na Taganrogskom kotel!-

nom zavode)

PERIODICAL:

Svarochnoye Proizvodstvo, 1958, Nr 4, pp 10-13 (USSR)

ABSTRACT:

The article contains information and illustrations on various welding methods and devices used at the Taganrog "Krasnyy Kotel'shchik" Plant such as automatic are and electroslag methods applied to large thick-walled containers. A variant of electroslag welding of annular seams is shown in Figure 1. The burning-through of thin-walled connecting pipes during their welding to boiler drum chambers is prevented by plugs which fasten the welding heads (Figure 3). A machine for the automatic welding of flanges by austenitic electrodes and their welding on short tubes is shown in Figure 5. The plant is also equipped with several types of contact butt welders and accessory devices for continuous welding. Electric-driven machines are giving

Card 1/2

135-58-4-3/19

Automation of Welding Processes in the Taganrog Boiler Plant

good results. A new method of eliminating inner burrs in perlite steel tubes is now being applied. The burr is burned

out in oxygen with a 10 to 15% admixture. There are 5 figures and 3 Soviet references.

AVAILABLE:

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Card 2/2

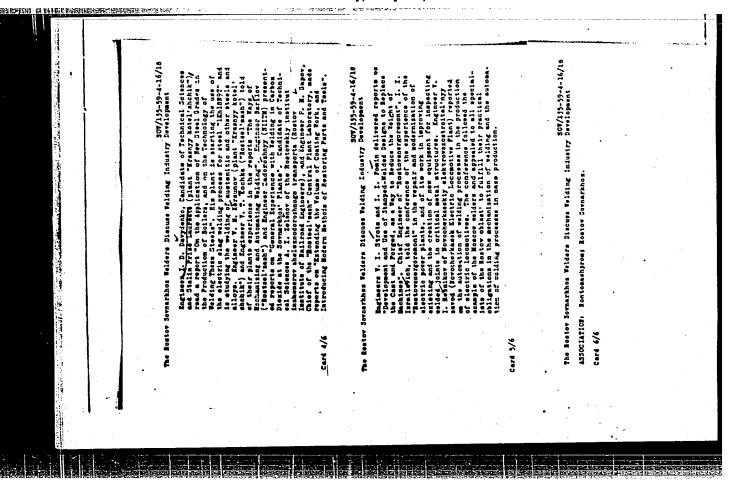
DAYYDENEO, I.D., kend. tekhn.msuk, leurest Leninskoy i Stalinskoy premiy,;
KULICHENEO, G.F., insh.

Using Stavropol natural gas for gas cutting of metals at the
Taganrog "Krasnyi kotel'shchik" Plant. Energomashinostroenie 4
no. 6:27-30 Je '58. (MIRA 11:8)

(Gas, Natural)

(Gas welding and cutting)

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DAVYDENKO. Il'ya Danilovich, laureat Leninskoy i Stalinskoy premiy;

SKL'YANIUK, I.M., red.; ZHERESKOY, I.V., red.izd-va; CHEKANOY,

A.A., tekhn.red.

[Electric slag welding in boiler construction] Elektroshlakovaia
svarka v kotlostroenii. Rostov-na-Donu, Rostovskoe knizhnoe izd-vo,
1959. 85 p.

(Electric welding) (Pressure vessels--Welding)

: . 18(7)

SOV/135-59-10-14/23

AUTHORS:

Davydenko, I.D., Candidate of Technical Sciences, Kulichenko, G.F.,

and Yeremenko, M.M., Engineers

TITLE:

Oxygen Flux Cutting of Stainless Steels Using Natural Gas

PERIODICAL:

Svarochnoye proizvodstvo, 1959, Nr 10, pp 31-33 (USSR)

ABSTRACT:

The authors state that oxygen flux cutting of stainless steels with thicknesses of 10-100 mm and more is used increasingly in different branches of industry. The Taganrog Boiler Factory now uses for oxygen flux cutting the cheap natural gas of the Stavropol' deposits. This gas has a pressure of 0.7 at. at the working site. It contains 97.7% methane, 1.6% nitrogen and 0.7% carbongas. The technical characteristics are given in a table. Iron powders of the following types are used: VS, PZhV, VK and PZhE. Table 2 shows the parameters of the welding regime for different thicknesses of steel (10 ÷ 90 mm). For safety at the working site, local ventilation is necessary. In the construction of assembly and ventilation V.I. Kharin and Ye.I. Abramov participated. There

Card 1/2

are 1 photograph, 4 diagrams and 2 tables.

S0V/135-59-10-14/23

Oxygen Flux Cutting of Stainless Steels Using Natural Gas

ASSOCIATION: Taganrogskiy zavod "Krasnyy kotel'shchik" (Taganrog Factory "Red Boiler-Maker")

Card 2/2

1.2300

S/135/60/000/003/003/005 A115/A029

AUTHORS:

Davydenko, I.D., Candidate of Technical Sciences, Koshevoy, V.F., Nosenko, A.I., Graduate Engineers

TITLE:

Electric Slag Arc Welding of 1 X18H9T (1Kh18N9T) Plate Steel

PERIODICAL:

Svarochnoye proizvodstvo, 1960, No. 3, pp. 23-27

TEXT: The authors discuss technological features of electric slag butt welding of 5-m long joints on stainless steel plates. Tests were performed with an A-340 (A-340) single-electrode device fed by a NCM-1000 (PSM-1000) welder. AHP-5 (ANF-5), AH-26 (AN-26), 48-00-6 (48-0F-6) fluxes and 3 mm Cs-X25 H13 (Sv-Kh25N13), CB-1X18 H9T (Sv-1Kh18N9T) and CB-1X18 H9 E (Sv-1Kh18N9B) filler wires were tested on 36, 60, 75 mm thick and 700-1,400 mm long 1X18 H9T (1Kh18N9T) steel plates and on boiler shells of 3,100 mm in diameter composed of 60, 75 and 90 mm thick 700 x 5,200 mm sheets. The length of shells was 700, 1,400 and 2,100 mm. The 36 mm plates were welded at a filled-rod rate of 216 m/h, 500 amp, 40-44 v, welding rate 1,5 m/h, throat depth 4-50 mm, butt distance 28 mm. The variations in the chemical composition of basic metal, filler wire and seam metal are shown in Table 1. Corrosion-resistance of joints was examined accord-

Card 1/4

S/135/60/000/003/003/005 A115/A029

Electric Slag Arc Welding of 1X18 H9T (1Kh18N9T) Plate Steel

ing to methods A-1 and A-2 of FOCT6032-51 (GOST 6032-51) on 90 x 25 x 3 mm samples shown in Figure 1. After 48 hours of boiling in a copper sulfate and hydrosulfuric acid solution the samples were inspected to the loss of metallic sound and bent at an angle of 90°. Austenization included exposures to 1,050-1,070° C for 15 minutes. Results of these tests are shown in Table 2. The amount of ferrite phase determined with a TsNIITMash magnetic ferrito-meter on samples (Fig. 2) is shown in Table 3. Metallographic examination revealed no cracks or impurities (Figs. 3 and 4). Figure 5 shows hardness zones of the welded joint. Mechanical tests gave satisfactory results, and highest corrosion resistance was established in joints welded by Sv-1Kh18N9B wires with 48-OF-6 flux and Sv-Kh25N13 wires with 48-OF-6 and AN-26 flux. Flux 48-OF-6 is less oxidizing than AN-26, but the latter has superior technological properties. For welding of 60-75 mm thick and 7(N-1,400 mm long plates the ductility of 48-0F-6 flux was increased by addition of Al203 and reduction of CaF2. This modified flux received the designation TK3-HX (TKZ-NZh). Its chemical composition and welding conditions are given. Sv-1Kh18N9B filler wires with TKZ-NZh and 48-OF-6 fluxes, Sv-1Kh18N9T wires with TKZ-NZh fluxes and Sv-Kh25N13 wires with AN-26 fluxes were used. For welding with Sv-1Kh18N9B wires 1 % of aluminum powder was added to the Card 2/4

S/135/60/000/003/003/005 A115/A029

Electric Slag Arc Welding of 1 × 18 H 9 T (1Kh18N9T) Plate Steel

flux to reduce niobium waste. This produced good results. For Sv-1Kh18N9T wires the flux was enriched by 15 % titanium aluminate ceramic concentrate bound with water glass. This diminishes titanium wastes but complicates the flux production. The chemical composition of basic metal, filler wire, filler metal and the amount of of -phase are given in Table 4. All tests were made according to methods A-1, A-2 of GOST-6032-51 and AM FOCT 6032-58 (AM GOST 6032-58) and revealed high corrosion-resistance of seam metal and fusion zone. Mechanical tests were satisfactory and are given in Table 5. No defects were revealed. A typical macrostructure is shown in Figure 7. The microstructure of all types of surfaced metal were &-phase carbides. A new type jet described by the Plant for this welding method is given. 700-mm shells consisting of two half-shells were welded by longitudinal seams. Others were welded of 2-3 prefabricated sheets which simplified the process. Reinforced joints of welded shells were abraded and then subjected to austenization at 570°C for two hours and at 1,050-1,070°C for 1.5 minutes per 1 mm of weld. At 800-900°C some welds with girth joints fracture and crack during calibration due to heat deformation of the metal. This can possibly be prevented by austenization and subsequent cold cali-

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S/135/60/000/003/003/005 A115/A029

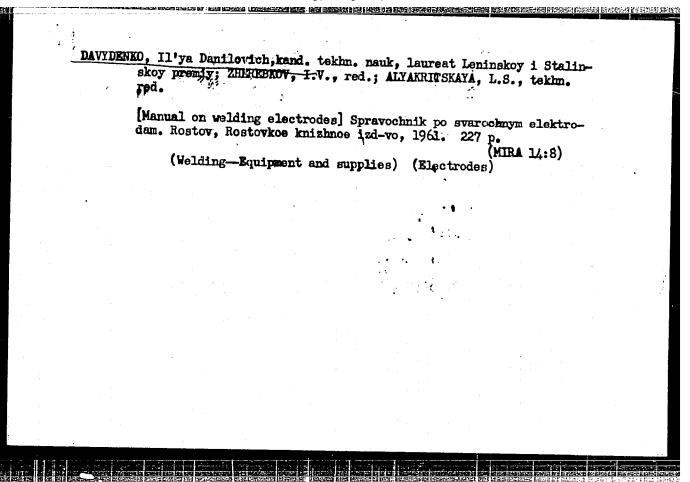
Electric Slag Arc Welding of 1 x 18 H 9 T (1Kh18N9T) Plate Steel

bration of shells. The application of electric slag welding to non-corroding plate steel resulted in considerable economy and increased production. There are 7 figures, 5 tables and 4 Soviet references.



ASSOCIATION: Taganrogskiy zavod "Krasnyy Kotel shchik" (Taganrog "Red Boiler Maker" Plant)

Card 4/4



112300

5/769/61/000/000/001/004 AUTHORS: Davydenko, I.D., Koshevoy, V.F., Nosenko, A.I.

TITLE:

The metallurgy and technology of submerged electric slag welding of

IX18H9T (1Kh18N9T) steel.

SOURCE:

Avtomatizatsiya i mekhanizatsiya svarki; novoye v svarochnom proizvodstve na Taganrogskom zavode "Krasnyy kotel'shchik." Comp. by M. V. Korsunov. (Rostov) Rostovskoye knizh. izd-vo, 1961, 3-26.

TEXT: The paper describes the welding of great thicknesses (50-100 mm and more) of stainless steel for petrochemical and chemical installations. Steel lKh18N9T of up to 20-mm thickness is welded in two-sided automatic electric arc welding under flux. Ordinary one-pass electric-slag (ES) welding (W), such as is practiced on structural steels of great thickness (Th), is not practicable with lKhl8N9T steel, because it has an austenitic structure and its linear expansion coefficient is so great that joint-gap problems arise during W, and the maintenance of a steady arc (A) is uncertain. The single-pass automatic ES W was perfected to obviate the danger of A failures. 5-m test W were performed with the self-propelled single-electrode A-340 reverse-polarity a.c. equipment, supplied from a IICM (PSM) arc welder. Metallurgy: 4 fluxes and 3 W rods were tested (full-page tabulation). The basic Wprocess parameters were held constant in all tests. In no instance did the steel develop either hot or cold cracks. The newly developed TK3 - HK (TKZ-NZh) flux was found to be more suitable for ES W than the AHΦ-6 (ANF-6) and 48-OΦ-6 Card 1/3

DAVYDENKO, Illia Danilovich; SHEVELEV, /leksey Sergeyevich; SIDORENKO, M.D., red.

[Automatic welding of small parts] Avtomaticheskaia svarka malogabaritnykh detalei. Rostov-na-Domu, Rostovskoe knizhnoe izd-vo, 1965. 124 p. (MIRA 18:10)

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DAVYDENKO, K.; KOROLEY, S.; CHERNOUSOV, N.; ZHUKOV, M., red.;
AYZUPIYETE, M. [Alzuplete, M.], tekhn, red.

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(MIRA 14:12)

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DAVYDENKO, K.F.

Mobile exhibition. Zashch. rast. ot vred. 1 bol. 9 no.5: 5-7 '64. (MIRA 17:6)

1. Direktor Pribaltiyskoy stantsii zashchity rasteniy, Riga.

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050981

DAVYDENKO, M. A.

DAVYDENKO, M. A. "Pests of Kok-sagyz and Measures to Combat them under the Conditions of the Latvian SSR." All-Union Order of Lenin Academy of Agricultural Sciences imeni V. I. Lenin. All-Union Sci Res Inst of Plant Conservation. Leningrad, 1956 (For the Degree of Candidate in Agricultural Science)

So: Knizhnaya Letopis' No. 18, 1956

DAVYDENKO, M.O.

Increase the labor productivity and decrease the costs of repair. Mekh. sil!. hosp. 12 no.12:5-6 D 61.

(MIRA 17:1)

1. Zamestitel' predsedatelya Ukrainskogo respublikanskogo ob"yedineniya "Ukrsil'gosptekhnika".

DAVYDENKO, M. 0. Provide all collective and state farms with machinery operators. Mekh. sil'. hosp. 14 no.2:3-4 F '63. (MIRA 16:4) 1. Zamestitel' predsedatelya Ukrainskogo respublikanskogo ob"yedineniya "Ukrsil'gosptekhnika". (Ukraine—Agricultural machinery—Study and teaching)

KOZIN, L.F.; DAVYDENKO, 6.G.

Polarographic determination of impurities in metallic thallium, thallium alloys, and thallium amalgams. Trudy Inst. khim. nauk AN Kazakh. SSR 9:157-161 '62. (MIRA 16:6)

(Thallium compounds) (Polarography)

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00050981

AUTHOR: Davydenko, R. S. (Engineer); Bugrov, K. N. (Engineer) ORG: none TITLE: All-Union Conference on the Use of Servo, Copying and Programmed Systems for the Welding, Build-Up and Cutting of Metals held in Volgograd from 19 to 27 May SOURCE: Svarochnoye proizvodstvo, no. 1, 1966, 45 TOPIC TAGS: gas cutting, metal cutting, servomechanism, photoelectric copying, computer programming, automatic welding, welding technology, automatic control system, metallurgic conference ABSTRACT: This Conference, the first of its kind, was attended by more than 200 re-ABSTRACT: This Conference, the first of its kind, was attended by more than 200 re-cations were presented. As regards the flame cutting of metals, the following princations were presented. As regards the flame cutting of metals, the following princations were presented of an universal programming device for machines with oxygen cutting; the development of an universal programming device for machines with loft operations in the shipyard; a digital programmed control system for the automatic marking and gas cutting of components; photoelectric copying systems for gas-cutting marking and gas cutting of components; photoelectric copying systems for gas-cutting machines; the replacement of the gas cutting of carbon steels with gas-electric cut-	AUTHOR: Davydenko, R. S. (Engineer); Bugrov, K. N. (Engineer) ORG: none TITLE: All-Union Conference on the Use of Servo, Copying and Programmed Systems for the Welding, Build-Up and Cutting of Metals held in Volgograd from 19 to 27 May 1965		
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ting. It was also stated that the spreading use of flame-are cutting requires a considerable increase in copying rate (eventually to as much as 10 m/min). The topics discussed in the papers on the automation of welding and build-up included: the causes of the displacement of the axis of joint under the electrode during the welding of spiral-shaped tubes and the methods of correcting the electrode's position relative to the joint's axis; programmed control of the motions of welding equipment; kinematic errors and dynamic properties of the control system of a welding machine; electric and pneumatic servomechanisms for stabilizing arc length in argon arc welding; an automatic control system for quality seam welding; programmed and servo control devices for arc welding machines; automatic build-up of intricately shaped trimming dies at a rate 3 times as fast as that of manual build-up. The Conference's participants adopted a resolution summarizing the results of its work and outlining measures to expedite research and development work in the fields indicated. In particular, the Conference recommended that State tests of the principal types of new machines and control systems be carried out during 1965-1966 with the object of selecting the best models for serial production.

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Card 2/2

NEMCHENKO, V.I.; BONK, G.M.; DAVYDENKO, V.A.

Role of X-ray examination in the detection of mitral insufficiency. (MIRA 18:8) Khirurgiia no.10:8-15 64.

1. Klinika khirurgii usovershenstvovaniya vrachey No.1 (nachal'nik - prof. A.P.Kolesov) Voyenno-meditsinskoy Ordena Lenina akademii imeni Kirova, Leningrad.

KOLESOV, A.F., prof.; DAVYDENKO, V.A.; BONK, G.M.

Diagnosis and surgical treatment of benign tumors of the esophagus and cardia. Klin. khir. no.1:3-6 165.

(MIRA 18:8)

医医疗性动 馬馬 医下颌 医医性性 医角形丛外 医阴道性 医红斑 经收益 化二烷基甲基磺基基

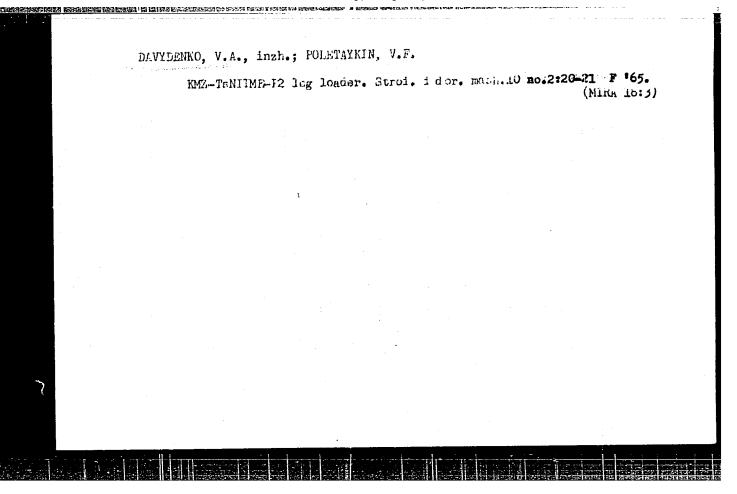
1. Khirurgicheskaya klinika dlya usovershenstvovaniya vrachey No.l Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova, Leningrad.

TOLUZAKOV, V.L. (Leningrad, K-9, ul. Smirnova, d.8, kv.53); KROL, Ya.M.; DAVYDENKO, V.A.; BONK, G.M.

So-called cavitary form of pulmonary cancer. Vop. onk. 10 no.5: 3-10 '64. (MIRA 18:8)

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NOVIKOV, F.G.; BONK, G.M.; DAVYDENKO, V.A.

SHI MANAGAM BAKARAN I E MI IZA BASTANISA KE BESTA KASA BAKARA CAMAN I

Clinical X-ray diagnosis of postoperative herniation of the heart. Vest. rent. i rad. 40 no.3:39-41 My-Je 165.

(MIRA 18:7)

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YEGOROV, N.K., kand. tekhn. nauk; DAVYDENKO, V.T., gornyy inzh.; SUSLOVICH, Z.B., gornyy inzh.

Mine cap sets made of new materials. Ugol! 38 no.11:35-36 N '63. (MIRA 17:9)

- 1. Institut gornogo dela im. A.A. Skochinskogo (for Yegorov).
 2. Shakhta im. Menzhinskogo kombinata Luganskugol' (for Davydenko).
- 3. Donetskiy sovet narodnogo khozyaystva (for Suslovich).

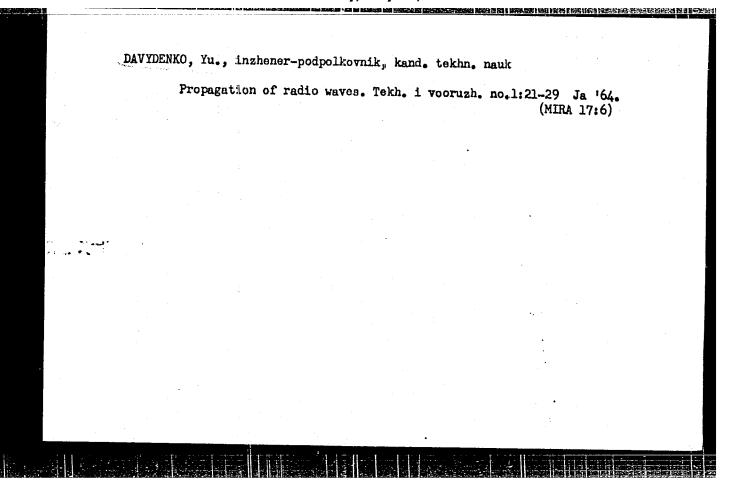
DAVYDENKO, Yevgeniy Alekseyevich; TUTOV, Petr Yemel'yanovich; CANDZHUHTON, Tangaranchay red.; GOROKHOV, Yu.N., tekhn.red.

[Painting practices; summary of lectures delivered at training courses for instructors of industrial painters]
Maliarnye raboty; konspekt lektsii, prochitannykh na seminarepraktikume masterov proizvodstvennogo obucheniia maliarov.

Moskva, Vses. uchebno-pedagog.izd-vo Trudrezervizdat, 1959.

54 p.

(Painting, Industrial)



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DAVYDENKO, Yu., inzhener-podpolkovnik, kand. tekhn. nauk; TUMILOVICH, I., inzhener-podpolkovnik

Increasing the distance of radio communication. Tekh. i vooruzh. no.4:44-46 Ap 164. (MIRA 17:9)

GRINSHTEYN, N.V.; DAVEDENKO, Yu.A.; SERGEYEV, O.P.; TIMESKOV, V.A.

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Ser. geol. 25 no.7:95-98 Jl '60. (NIRA 13:10)

(Bakal region-Siderite)

Mode of cocurrence of basic rocks in the southern Urals. Izv. vys.ucheb.zav,geol.i razv. 4 no.10:43-47 0 '61. (MIRA 14:12) 1. Irkutskiy politekhnicheskiy institut. (Ural Mountains—Rocks, Igneous)

Zoning of hydrothermal ore deposits in the Bakal ore deposit. Izv.vys.ucheb.zav.; geol.i razv. no.2:49-60 % '62. (MIRA 15:3) 1. Irkutskiy politekhnicheskiy institut. (Bakal region (Chelyabinsk Province)—Ore deposits)